

What I claim as my invention is:

1           1. A method of correcting loss and dispersion distortions in cable measurements,  
2 comprising the steps of:

3           (a) measuring said cable in a frequency domain to obtain a reflected response of  
4 a transmitted signal;

5           (b) collecting a series of fractional sinusoid components of said reflected response  
6 from predetermined points along said cable to provide a superposed function;

7           (c) dividing said superposed function by a sent signal function to provide a  
8 normalized function; and

9           (d) extracting from said normalized function said fractional sinusoid components  
10 by calculating a real value at each of said predetermined points thereby removing  
11 attenuation distortion and dispersion distortion.

1           2. A method of correcting loss and dispersion distortions in cable measurements  
2 in accordance with claim 1, further comprising the step of displaying a plot of said  
3 extracted fractional sinusoid components.

1           3. A method of correcting loss and dispersion distortions in cable measurements  
2 in accordance with claim 1 wherein said predetermined points along said cable are  
3 determined in accordance with the period of a maximum probing frequency.